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(57) Abstract

A seven-pass transmembrane receptor protein originating in humans which has the amino acid sequence represented by SEQ ID NO:2 and a DNA encoding the same. Use of this protein and the DNA encoding the same makes it possible to screen substances for treating or preventing autoimmune diseases, etc., to diagnose diseases and to produce diagnostics. An expression vector of the above protein; transformed microorganisms or cells; the above protein produced thereby; a method for screening a ligand to the above protein or a substance inhibiting the binding of the ligand to the protein; and an antibody against the protein. A fragment of a seven-pass transmembrane receptor protein originating in mouse having the amino acid sequence represented by SEQ ID NO:4; and a DNA encoding the same. This protein fragment and the DNA encoding the same are useful in identifying and isolating a novel full-length mouse seven-pass transmembrane receptor protein and a DNA encoding the same.

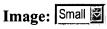






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